



It's All About the Design

The sky is the limit. Get started on your
gorgeous garden getaway today!





The perfect greenhouse for you

What do you wish for? When you daydream about your perfect greenhouse, what do you see? Perhaps you live in a snowy climate and would like a breezeway to connect the greenhouse to your home? Maybe your dream has been held up by an unusual footprint that requires fittings around a tight space or steps in the foundation due to a sloped, rocky yard? Our specialty is customizing the greenhouse to your needs.



70 Eastgate Drive
Danville, IL 61834

Free Standing
Home Connected
Pool Enclosure
Custom

1-855-442-4769

STRENGTH

Out-of-the-box, our greenhouses are rated for 85 mph winds and 32 psf for snow. We can easily upgrade our structure to meet up to 130 mph winds and 100 psf for snow.

VERSATILITY

Custom modifications and special requests are why people choose us.

QUALITY

Included weather-resistance system that includes "gap free" capping system, foam gaskets, and draft seal weather stripping.

LIFETIME WARRANTY

For over 65 years, we are proud to offer the best lifetime warranty in the business.





Free-Standing

A free-standing luxury greenhouse adds a whole new dimension to your estate's property. It can be the perfect "hideaway" for a peaceful escape with plants, hobbies, or just a separate living space that brings the outside in. Free-standing greenhouses allow light in from all sides and have fewer limitations with your surrounding property. With creative landscaping, your greenhouse can become its own destination.



FEATURES & BENEFITS

- Our superior estate greenhouse frame boasts a beautiful wide profile with a classic aesthetic.
- Premium aluminum framing will last for generations and can be color matched to any sample.
- The wet baked enamel paint is extremely durable, highly saturated and non-toxic.
- Storm proof construction will remain tight and draft free whatever the elements.
- High performance soft coat Low E glass maintains comfortable temperatures.
- Limitless decorative cresting, gutters, hardware and accessories are available.

Home-Attached

Create an outdoor space that invites you to stay. Here are 7 design ideas to maximize your home-attached greenhouse. Forget an expensive home addition. A home-attached greenhouse can be your answer to extra living and growing space for less than half the cost. While considered a three season space in cooler climates, there are many benefits to adding more light to your home.



1 Kitchen

An extension of your kitchen or additional dining area is perfect for easy access to the healthy herbs, fruits and vegetables that you will grow. Root vegetables like beets, carrots and potatoes as well as winter lettuces are possible in the colder months of the year too.

2 Garden

Think of your attached greenhouse as an extension of your garden. Wintering over your tender plants has never been easier. Easy access to water can make life with your greenhouse much more convenient.

3 Sunroom

This sun filled space becomes the most loved room in the home as people naturally gravitate to light. Make it work for you and take advantage of solar gain especially with a south facing greenhouse.

4 Comfort

Ventilation and air circulation greatly improve a comfortable space. Extra venting, louvres and quiet fans will create a perfect space for years to come. In colder months, a fireplace or woodstove can create a cozy nook to enjoy the outdoors in a protected area.

5 Plumbing

Extend your home's existing plumbing into the greenhouse to add convenience to watering your plants and entertaining.

6 Architecture

Customize the slope to match your roof line to make it appear that it was part of the original build. Send in a paint chip to match the frame color to the trim on your home. Add extra doors for ease of access to various points of entry.

7 Foundation

When attaching a greenhouse to your home, a concrete foundation is strongly recommended. Stamped concrete with a decorative grate for drainage is a beautiful interior floor option. Finish the exterior of the foundation to match the bottom portion of your home for a seamless look.



Are you looking for more affordable living space? A home-attached greenhouse is typically 40% of the cost of an addition onto your home. The light filled room becomes the most loved space in the home.



Pool & Hot Tub Enclosures

Enjoy your pool or hot tub year-round with a custom greenhouse enclosure. Our designers can work around your existing installs to create a clean and private luxury environment. No more time consuming cleaning and maintenance, plus save money on heating during cool weather. Keep your pool safe and secure from young children when not in use. Create a luxury getaway in your own back yard.



FEATURES & BENEFITS

- No matter where you live, your pool or hot-tub can be enjoyed year-round.
- Turn a high-maintenance problem into an easy-to-maintain luxury. No more constant removal of leaves and insects.
- No more worries about fence laws for the pool on your property and minimize the risk of accidents .
- Adds a layer of privacy from the rest of the world.
- Increases the value of your property and, in some cases, lowers your insurance rates.
- Limitless possibilities with custom designed coverings and accessories.

High winds & snow

Engineered for a minimum **85 mile per hour winds** and **32 pounds per square foot** for snow.

Greenhouse Megastore offers a unique service to upgrade the greenhouse to sustain higher loads if necessary. We can increase snow loads to over 100 psf and wind loads to meet 140 mph winds which is equal to a category 1 hurricane.

You may be wondering how much snow equals 32 pounds? Generally, it is about two to three feet of medium pack snow. When thinking about snow loads on a roof, take the depth of snow in feet and multiply it by the weight of a cubic foot of snow.

If the snow weighs 10 pounds per cubic foot and there are 1.5 feet on the roof, each square foot of the roof is getting 15 pounds of pressure. If the snow has a high moisture content or is mixed with ice, the weight load increases. Adding a little heat to the greenhouse when you know a big snow storm is coming is always a good idea.



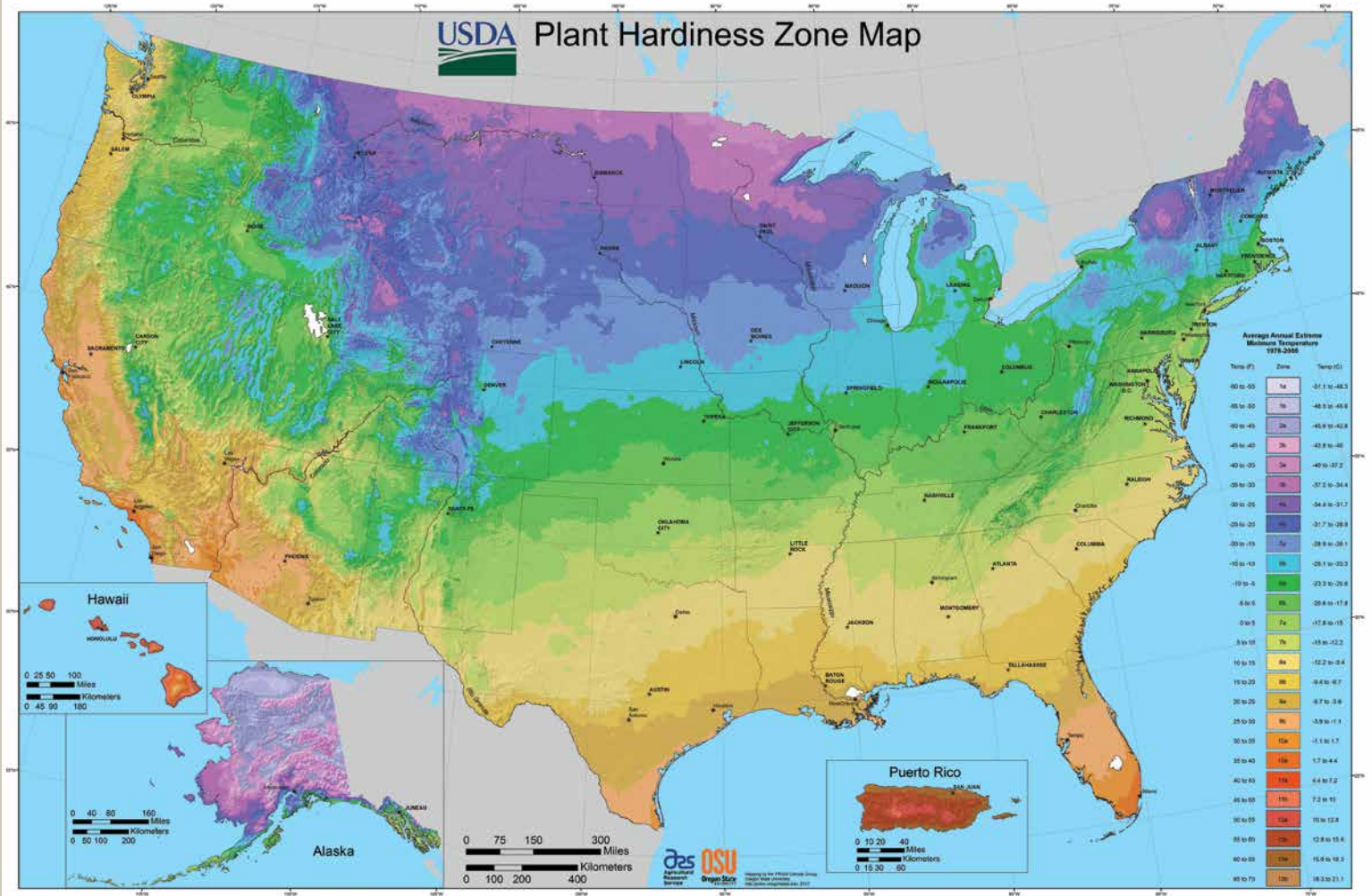
How do we increase loads?

It is increased by adding additional bracing and trusses and increasing the size of our horizontal braces and roof purlins when necessary. The typical solar automatic roof vent can be replaced with an upgraded wind resistant vent or removed altogether if your local wind loads are too high. Alternate ventilation options will be recommended by our team.

The greenhouse wind-load upgrades can be engineered with the specifications of your municipality. If a permit is required, we partner with engineering firms who can supply sealed drawings with the acceptable guidelines. In many cases, the loads can be increased with some extra supports if a permit is not required.



USDA Plant Hardiness Zone Map



Zones 1 - 5	Zones 6 & 7	Zones 8 - 10	Zones 11 +
EXTEND YOUR SEASON	EXTEND YOUR SEASON	EXTEND YOUR SEASON	EXTEND YOUR SEASON
We Recommend:	We Recommend:	We Recommend:	We Recommend:
Twinwall polycarbonate, triplewall polycarbonate, or double glass with a 120-240 volt heater. Automatic roof vents should suffice for cooling.	Single glass, twinwall polycarbonate, and triplewall polycarbonate with a 120-240 volt heater. Automatic roof vents plus additional wall vents should suffice for cooling.	Single glass and twinwall polycarbonate with a 120-240 volt electric heater. Automatic roof vents, wall vents and an exhaust fan system should suffice for cooling.	Single glass or twinwall polycarbonate with no heater. Automatic roof vents, wall vents and an exhaust fan system or an evaporative cooler should suffice for cooling.
YEAR ROUND GARDENING	YEAR ROUND GARDENING	YEAR ROUND GARDENING	YEAR ROUND GARDENING
We Recommend:	We Recommend:	We Recommend:	We Recommend:
Insulated double glass or triplewall polycarbonate with either a natural gas or propane heater or a 240 volt electric heater for smaller greenhouses. Automatic roof vents should suffice for cooling.	Twinwall polycarbonate, triplewall polycarbonate, or double glass with either a natural gas or propane heater or a 240 volt electric heater for smaller greenhouses. Automatic roof vents plus additional wall vents should suffice for cooling.	Any single glass, double glass, twinwall or triplewall polycarbonate with either a natural gas or propane heater or a 240 volt electric heater for smaller greenhouses. Automatic roof vents, wall vents and an exhaust fan system should suffice for cooling.	Single glass, twinwall polycarbonate, or triplewall polycarbonate with no heater. Automatic roof vents, wall vents and an exhaust fan system or an evaporative cooler should suffice for cooling.
HOT HOUSE ENVIRONMENT	HOT HOUSE ENVIRONMENT	HOT HOUSE ENVIRONMENT	HOT HOUSE ENVIRONMENT
We Recommend:	We Recommend:	We Recommend:	We Recommend:
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Foundations

Do all greenhouses require a foundation? Yes, and we will provide all of the hardware required to fasten the greenhouse to your foundation. Important: Your foundation must be level and square to properly anchor the greenhouse or you might experience this and more:

- The frame and panels will not align properly.
- The framing for the door will not be square for easy install.

TYPES OF FOUNDATIONS

Pressure Treated Wood



Pressure treated or cedar wood is a popular choice because it is readily available and inexpensive. Wood is easy to adjust if you decide to move or extend your greenhouse.

Suggested Guidelines for Wood Foundations

- 4' x 4' timbers up to 100 square feet or any greenhouse no longer than 12 feet.
- 6' x 6' timbers are necessary with any greenhouse with a truss (a truss typically requires a 5 inch sill to attach); or any greenhouse 12' x 12' and over.
- 6' x 8' or 8' x 8' timbers are occasionally necessary for greenhouses 18' wide or wider, where a concrete foundation and footing is not possible.



Concrete



A concrete foundation is the most durable option and if properly sealed, will protect you from the elements for years. The heavier the greenhouse, the more important it is to build a strong base to support it. A concrete foundation may be necessary from your city planning office and job specific engineered drawings are required.

Suggested Guidelines for Concrete Foundations

- Our recommendation is that any double glass greenhouse or any greenhouse in any glazing over 12' x 20' should rest on a concrete footing.
- All concrete foundations should include the use of rebar to strengthen the concrete as well as steel mesh in the slab options.
- Beveled exterior edges or uneven surfaces can require major modification to the greenhouse or foundation itself. The foundation must be level and square for the entire area where the greenhouse frame and interior support channels rest.



IMPORTANT! – If you think you need to cut something, call us first. The greenhouse is fully pre-cut and pre-drilled. We will walk you through it.



Need a Permit?

For larger greenhouses, engineered shop drawings can also include the foundation to meet local building codes. The permit process depends on your municipality but generally, a structure less than 100 or 120 square feet that is not permanent does not require a permit. Depending on the building department code, sometimes non-engineered foundation sketches suffice for a permit, so remember to ask when the time comes.

A Note About Drainage

As mentioned, drainage is crucial in a wet environment like a greenhouse. If you're leaning toward a solid flooring material, like concrete, keep in mind that you'll need to install drains to help keep your greenhouse flooring dry and your plants healthy and free from mold. You should consider the location of the drains carefully to ensure the drain is not in the middle of a proposed walkway or working area. Other materials, like gravel, concrete pavers, and flagstones also drain well and are most common.

Bricks or Cinder Blocks

- Settling and cracking is common with cinder blocks so care must be taken to prevent holes or cracks as pests will find any way to get into the greenhouse.
- For smaller greenhouses, it is common for there to be a row of cinder blocks below grade. For greenhouses 10'x12' or larger there will often need to be a perimeter footing below grade down to the frost line to prevent any settling or frost heaving.
- Consider a treated timber top plate covered with a metal flashing to anchor the greenhouse.
- We do not recommend setting and fastening the greenhouse directly on bricks as they are more apt to crack under stress. For a brick look we recommend facing the outside of a concrete wall or cinder block wall with bricks or a brick façade.
- Use sealant to fix any cracks or gaps.



IMPORTANT! Please confirm that you have the **CORRECT FOUNDATION DIMENSION SIZES** with our sales team **BEFORE BUILDING** your foundation.

A successful install is just good planning

Almost 85% of installations are completed by the home-owner or a local contractor. Many people wonder how difficult it is to assemble. If you have ever put together a small kit shed – it's similar to that but heavier.

A typical 8'x12' glass greenhouse weighs about 1200 pounds and arrives with about 800 pieces of hardware. It's important to have the manpower to unload the greenhouse from the curbside delivery truck. This is a structure that is meant to last for generations and doesn't clip together. You should know how to read a tape measure, use a level and operate a drill. So invite some family and friends and make it an event!

1. Ensure that your greenhouse foundation is level and square and built to our specific dimensions – an 8'x12' greenhouse is actually larger. If the foundation is off, everything will be off.
2. Ask for help. Enlist your family, friends or neighbors to put it together too. An 8'x12' greenhouse will take two people two to three days to assemble. Give yourself the gift of time and try not to rush.
3. Review the written instructions and packing list ahead of time. It is filled with great tips and best practices that will help streamline your day.
4. If you feel you have to cut something, call us first!

Your greenhouse has arrived! What's next?

Your crates and their corresponding numbers are indicated in your packing list that will be emailed to you. Look for the wooden crate that says "Packing List Inside". The greenhouse is organized into bundles of materials that will be labeled with a sticker. These bundles should not be taken apart until you are ready for it. Lay out all of the bundles, parts and pieces until everything is visible.



EXPERT INSTALLER TIPS:

- ✓ Polycarbonate panels have a protective blue film on the exterior and clear or white on the interior. Keep track by placing a mark on the exterior as it has the UV protectant. Until it is time to install do not store your polycarbonate in the sun because the blue film will heat up and it will be difficult to remove.
- ✓ Install the glazing foam tape before you assemble the frame.
- ✓ Touch up paint will be provided and it works better when it's warm.
- ✓ If you have anything gas or electrical, have your technician call us first to discuss the rough opening locations in the foundation.
- ✓ Locating the greenhouse in a north-south position is most suitable for raising summer and autumn crops as the sun's rays will be on the greenhouse from daybreak until sunset. An east-west position is ideal for early spring and winter crops for the winter months due to shorter daylight hours. Position to allow six hours of light exposure per day.

GROWING PLANTS IN A GREENHOUSE

Some things to consider when choosing to grow in a controlled environment



Benefits of a greenhouse

1. Extend your growing season or grow year-round.
2. Protect your plants from harsh weather and pests.
3. Start seeds from scratch.
4. Grow your own produce or bedding plants.
5. Sell the plants you start.

Finding the right structure

Choosing the right greenhouse is no small endeavor and requires some serious research. Today, you can purchase a greenhouse kit almost anywhere. However, be prepared that it probably won't have everything you need to get started. Before you take the plunge, there are some questions you need to ask.

Before you buy

What will you grow in your greenhouse? Do you want to grow year-round? What kind of covering should you have? What zone do you live in? Do you have high wind and snow loads? What kind of heating or cooling will you need, etc...



Greenhouse Megastore is your one-stop-shop

If you are interested in a new greenhouse and know exactly what you want, you can visit our website, browse all of the options, place your order online, and have it shipped directly to your location. No worries, no hassle, satisfaction guaranteed!

If you need assistance, guidance, or even a custom package that is designed just for you, we have someone ready to help. Our goal is not to just sell you a structure. We want to make sure you find the best controlled environment for your long-term needs, whether growing for yourself or for the market.

If you aren't ready for a greenhouse or already have one, we still have growing supplies for everyone, whether you're a new gardener or a seasoned grower. Our prices are right. Our staff is knowledgeable. Our products are reliable.



Call 1-855-442-4769 for a custom quote
or visit GreenhouseMegastore.com



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